

Necessary Bandwidth Description

Applicant: Firefly Aerospace

STA File Number: 0901-EX-ST-2020

STA Confirmation Number: EL590739

FRN Number: 0028054328

Emission Designator: 3M90G1D

The bit rate (R) of this emission is 5Mbps and the modulation is OQPSK. Based on Table A in Annex J of the NTIA Redbook, the necessary bandwidth should be calculated as $0.78 \cdot R$. The necessary bandwidth was calculated to be 3.9MHz.

Emission Designator: 780KG1D

The bit rate (R) of this emission is 5Mbps and the modulation is OQPSK. Based on Table A in Annex J of the NTIA Redbook, the necessary bandwidth should be calculated as $0.78 \cdot R$. The necessary bandwidth was calculated to be 780kHz.